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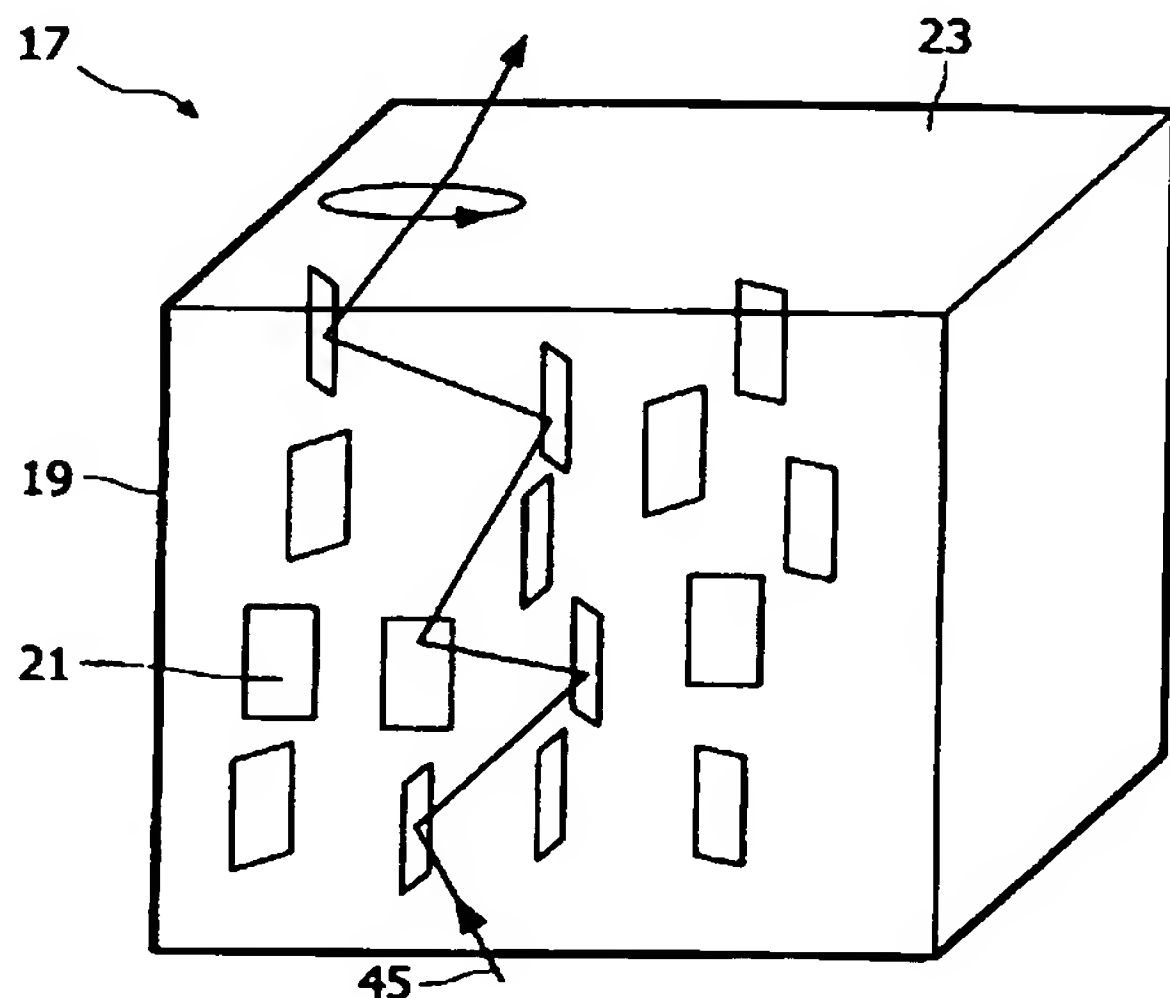
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(54) Title: OPTICAL INTEGRATOR



(57) Abstract: A method of manufacturing an optical
integrator panel is provided. The method comprises
the steps of: suspending a plurality of elongate
particles in a liquid; applying an electric or magnetic
field to the suspension to orientate the particles with
parallel longitudinal axes; and solidifying the liquid
to fix the orientation of the particles, thereby forming
an optical integrator panel having a homogeneous
distribution of elongate particles. An optical integrator
panel is also provided. The optical integrator panel
is adapted to reduce the angular dependence of
contrast of a liquid crystal display. Specifically,
the optical integrator panel is for placement in the
path of reflected or transmitted light emitted by the
liquid crystal display. The optical integrator panel
comprises: a solid transparent panel; and a plurality
of elongate particles homogeneously distributed in the
panel, wherein the plurality of elongate particles are
orientated with parallel longitudinal axes.



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